



# DET NORSKE VERITAS

## TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. **W-23428**

This is to certify that the  
**Flux Cored Wire/Gas combination**

with trade name  
**Excel-Arc 71/C1**

Manufacturer  
**Hobart Brothers Company Tubular Wire Business-Hobart  
Troy OH, United States**

is found to comply with  
Det Norske Veritas' Rules for Classification PT.2

with this approval

<b>Grade</b>	<b>III Y40MS(H10)</b>
<b>Current</b>	<b>DC(+)</b>
<b>Positions</b>	<b>All</b>

Høvik, 2011-08-18  
for Det Norske Veritas AS

  
+ Astrid Holmsen Kjesbu  
Head of Section



DNV local office:  
New York

This Certificate is valid until  
**2015-12-31**

  
Aliona Otriashenkova  
Surveyor

This Certificate is subject to terms and conditions overleaf. Any significant change in production or chemical composition may render this Certificate invalid.




Certificate No.: W-23428  
File No.: FC/G  
Job Id.: 262.1-012170-1

### Certificate Retention Survey

Surveys for retention of the certificate are to be carried out annually to verify compliance with rule requirements and that the conditions for Type Approval are not altered during the validity period of the certificate.

Annual inspection and testing carried out:

Date	DNV surveyor's signature
2011-07-21	
2012-11-09	
2013-06-07	
2014-05-06	



END OF CERTIFICATE